

7 exterior skin layer surface;

8 electrode means coupled to the thermal delivery means and configured to transfer
9 thermal energy through the interface surface and the exterior skin layer surface to the
10 underlying tissue site;

11 thermal energy control means coupled to the thermal delivery means and configured to
12 provide sufficient thermal energy from the electrode means to the underlying tissue site to
13 contract the fibrous septae and create a desired contour effect with no deeper than a first
14 degree burn formed on the exterior skin layer surface; and

15 cabling means coupled to the electrode means.

1 37. The apparatus of claim 36, wherein the electrode means is an RF electrode
2 coupled to an RF power source.

1 38. The apparatus of claim 36, further comprising:
2 a thermal energy source coupled to the electrode means.

1 39. The apparatus of claim 36, wherein the electrode means is an ultrasound
2 emitter coupled to an ultrasound energy source.

1 40. The apparatus of claim 36, wherein the thermal energy control means
2 comprises:

3 a cooling channel means positioned in an interior of the thermal energy delivery means
4 and coupled to a source of a cooling medium.

1 41. The apparatus of claim 36, wherein the thermal delivery means is a membrane
2 means.

1 42. The apparatus of claim 41, wherein an interior of the membrane means is
2 configured to contain an electrolytic solution.

1 43. The apparatus of claim 36, further comprising:
2 one or more thermal sensors positioned on the interface surface.